

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q88284

Kenji MIYAZAKI, et al.

Appln. No.: 10/536,824

Group Art Unit: ~~1645~~ 1797

Confirmation No.: 1306

Examiner: ~~Not Yet Assigned~~ Xu, Robert

Filed: May 27, 2005

For: METHOD OF ANALYZING C-TERMINAL AMINO ACID SEQUENCE OF PEPTIDE

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

MAIL STOP AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. MIYAZAKI KENJI et al. "A novel C-terminal sequencing method for proteome study", Molecular and Cellular Proteomics, Vol. 1, No. 9, September, 2002, page 691.
2. Tsugita A. et al., "Additional possible tools for identification of proteins on one- or two- dimensional electrophoresis" Electrophoresis, Vol. 19, No. 6, May 1998, pp. 928-938.
3. United States Patent No. 6,046,053, issued April 4, 2000.
4. Tsugita A. et al., "Reaction of Pentafluoropropionic Anhydride Vapor on Polypeptide as revealed by Mass Spectrometry. A Carboxypeptidase Mimetic Degradation"

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /R.X./

Chemistry Letters, 1992, pp. 235-238 (previously submitted with Information Disclosure Statement filed on May 27, 2005).

5. MIYAZAKI K. et al., "C-terminal sequencing method for proteins in gel by the reaction of acetic anhydride with perfluoric acid" SEIKAGAKU - Journal of Japanese Biochemistry Society, Vol. 75, No. 8, August 2003, page 924.
6. KAMO MASAHARU et al., "A novel C-terminal stepwise sequencing method" Journal of Protein Chemistry, Vol. 17, No. 6, August 1998, pp. 511-512.

One copy of each of the listed documents is submitted herewith, except for the U. S. Patent and those indicated as being previously submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses here with a copy of a corresponding European Search Report dated February 7, 2007, which cites such documents and indicates the degree of relevance found by the foreign office.

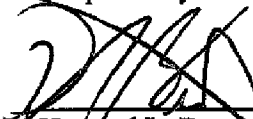
The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

INFORMATION DISCLOSURE STATEMENT
U.S. Appln. No.: 10/536,824

Q88284

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,


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CUSTOMER NUMBER

Date: April 5, 2007

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| Substitute for Form 1449 A & B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | <i>Complete if Known</i> | |
| | | | | Application Number | 10/536,824 |
| | | | | Confirmation Number | 1306 |
| | | | | Filing Date | May 27, 2005 |
| | | | | First Named Inventor | Kenji MIYAZAKI |
| | | | | Art Unit | 1645 1797 |
| | | | | Examiner Name | Not Yet Assigned Xu, Robert |
| Sheet | 1 | of | 1 | Attorney Docket Number | Q88284 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|-----------------|--------------------------------------|--------------------------------|---|
| Examiner Initials* | Cite No. ¹ | Document Number | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
| | | Number | Kind Code ² (if known) | | |
| | | US 6,046,053 | A | 04-04-2000 | Tsugita, et al. |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|--------------------------|------------------------------|---------------------|---|--------------------------------|--|--------------------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Translation ⁶ |
| | | Country Code ³ | Number ⁴ | Kind Code ⁵ <i>(if known)</i> | | | |
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| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|--|--------------------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published. | Translation ⁶ |
| | | MIYAZAKI KENJI et al., "A novel C-terminal sequencing method for proteome study", Molecular and Cellular Proteomics, Vol. 1, No. 9, September, 2002, page 691. | |
| | | Tsugita A. et al., "Additional Possible tools for identification of proteins on one- or two- dimensional electrophoresis" Electrophoresis, Vol. 19, No. 6, May 1998, pp. 928-938 | |
| | | Tsugita A. et al., "Reaction of Pentafluoropropionic Anhydride Vapor on Polypeptide as revealed by Mass Spectrometry. A Carboxypeptidase Mimetic Degradation" Chemistry Letters, 1992, pp. 235-238 (previously submitted with Information Disclosure Statement filed on May 27, 2005). | |
| | | MIYAZAKI K. et al., "C-terminal sequencing method for proteins in gel by the reaction of acetic anhydride with perfluoric acid" SEIKAGAKU - Journal of Japanese Biochemistry Society, Vol. 75, No. 8, August 2003, page 924. | |
| | | KAMO MASAHARU et al., "A novel C-terminal stepwise sequencing method" Journal of Protein Chemistry, Vol. 17, No. 6, August 1998, pp. 511-512. | |

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| Examiner Signature | /Robert Xiaoyun Xu/ | Date Considered | 09/05/2008 |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.

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